



AQUAINT: Fixed-Domain Evaluation Pilot

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Overall Objective



- Address the issue of “Task Context”
- Leverage the CNS data and knowledge of the WMD domain
- Involve as many contractors as possible
- Take a simple first-step that can be completed in time for the 18-Month Workshop



What is a Fixed-Domain?



“A fixed-domain is one in which the focus of attention is bounded in some natural way by the targets of interest to the analyst.”

- ➡ An S&T analyst concerned with ground-based telecommunications systems in North Korea
- ➡ An economic analyst concerned with agricultural production in SE Asia
- ➡ A military analyst concerned with Iraq's ability to maintain and deploy CBW systems



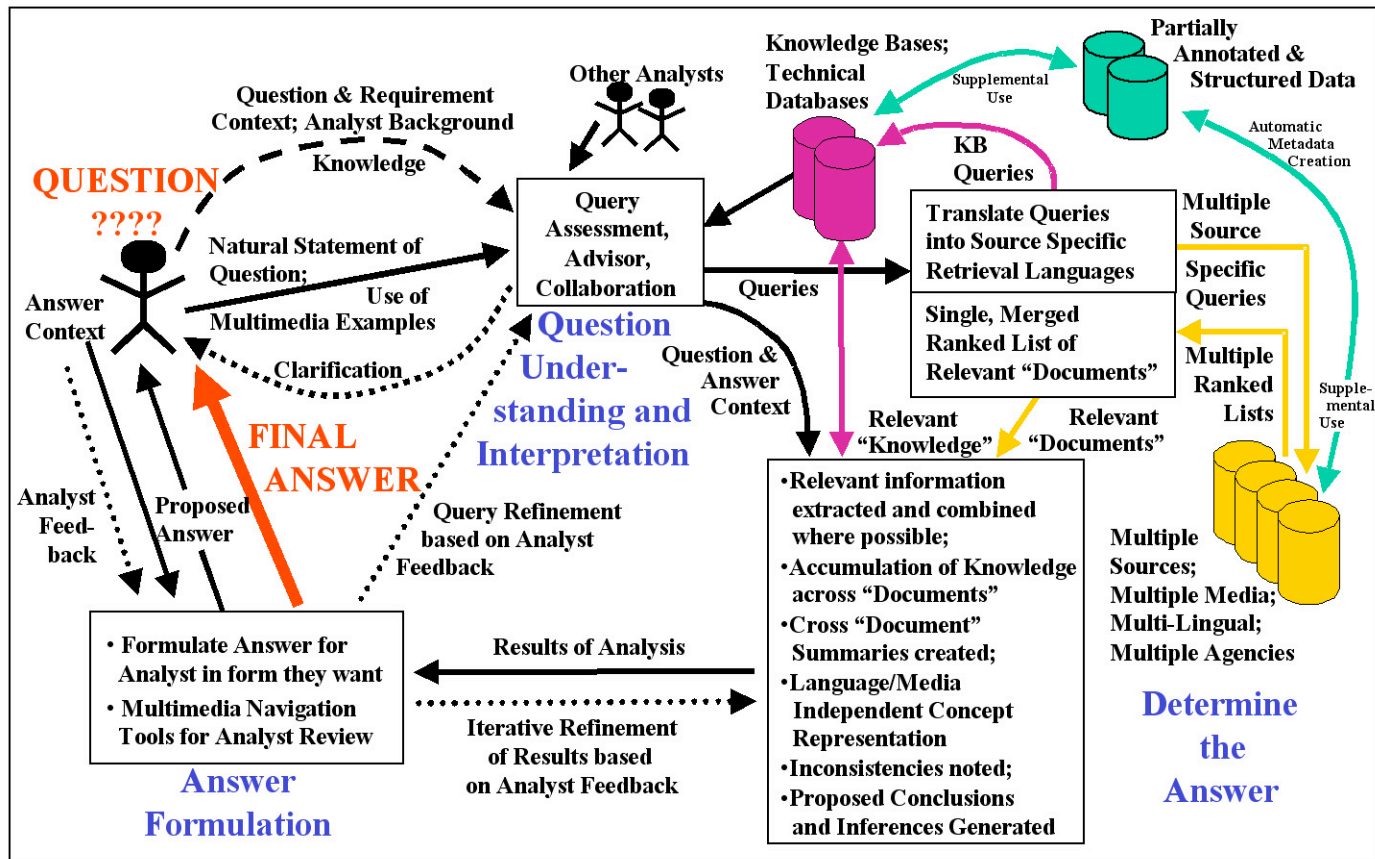
Fixed-Domain Q/A



- Is fundamentally about the analytic methodology and intelligence production process
- Involves families of questions (and associated answers)
- Requires knowledge of:
 - Context
 - Domain
 - Data



AQUAINT Process Model





Initial Pilot Task



- A set of N questions in the domain of WMD (that can be answered using the CNS data)
- For each question develop a “plan” for answering the question that includes:
 - Sets of sub-questions
 - Sources to query
 - Explanation of how knowledge of context, domain and data is used
 - Description of the form of the answer
 - ...
- Plans assessed for “viability”



Example Question



“Who has provided North Korea with assistance in developing their Nuclear and Missile programs?”

- What type(s) of assistance?
- When and for how long?
- What was the motivation?
- How we they compensated?

- Nuclear & Missile Abstracts
- North Korea Profile
- China Nonproliferation Profile

- Chronology/Timeline
- Lists of matériel
- Tables of statistics



Logistics & Schedule



- Questions generated by some combination of CNS analysts, Govt. analysts and Navy reservists
- Assessment done by the same folks
- Questions available by 28 Feb 2003
- Plans due 18 April 2003
- Assessments completed 16 May 2003
- Report to 18-Month Workshop in June 2003



Next Steps



- During the 12-Month Workshop
 - Breakout session later this afternoon

- Post-Workshop
 - Converge of the evaluation objectives
 - Engage the “question generators”
 - Develop assessment guidelines
 - ...



Questions?

